

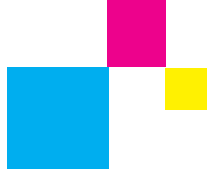


JETVARNISH 
by MGI

*The Digital Revolution in Inkjet
Spot UV Coating*



"We Revolutionize Digital Thinking"



JETVARNISH

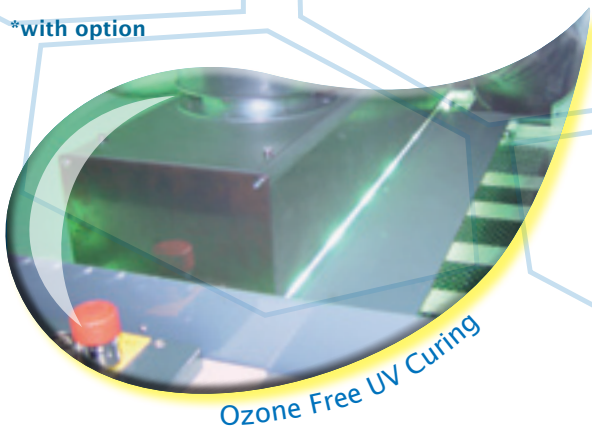
by MGI



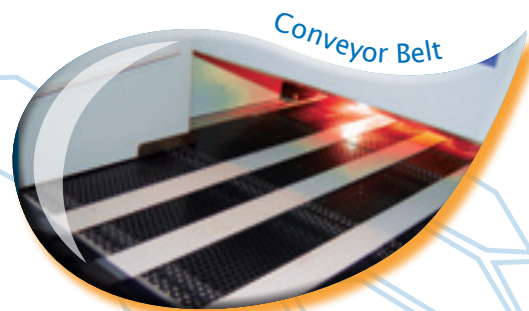
MGI presents the JETvarnish, the first digital spot UV coater up to 52x105cm*/20"x40" format that uses next generation inkjet technology.

The award-winning JETvarnish is perfect for short, medium and long runs and sets the standard for quality, flexibility and profitability in the graphic arts market.

*with option



Ozone Free UV Curing



Conveyor Belt

1 Instant Production and Startup

The JETvarnish allows for fast startup without plates, screens or waste, producing 1 to several thousand sheets per hour with ease.

2 Substrates

The JETvarnish accommodates a wide range of substrates, including sheet widths from 210 to 510 mm 8" to 20" and weights from 135 to 600 gsm/50 to 220lb. Add the visual impact of spot UV coating to book covers, brochures, packaging, folders, business cards – the possibilities are only limited by your imagination.



Exit



Touch-screen LCD

3 UV Curing

The JETvarnish's integrated UV curing dries sheets "on-the-fly" via a conveyor belt, with no ozone or solvents required. Sheets are completely dry upon entering the high capacity stacker and can be immediately handled.

A Revolution in Spot Varnish A 100% Digital Inkjet Solution

4 Graphic Chain Integration

Adding spot varnish to any project is easy – simply add a fifth color through DTP, thus highlighting the areas where the spot effects should be.

After printing the 4-Color document on the press of **your choice (digital, offset or flexo)**, load the 5th color into the JETvarnish's font end system.



5 Inkjet Technology

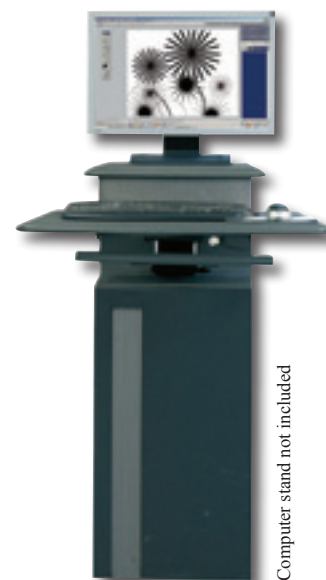
MGI's exclusive inkjet technology guarantees perfect results from the first page to the last.

Precise piezo (drop-on-demand) print heads allows for lines as small as 0.5mm (1/144") or as wide as the sheet (max. width 515 mm/20").

With MGI's patented varnish formula, users can switch between spot and flood coating automatically, with no equipment cleaning required.

Upgradability

The JETvarnish is already enable to host an optional second printing line (printing one ink/color or a second varnish formula)



Computer stand not included

6.47 m (21.23')

Entry

High Capacity Feeder



Respecting the environment

- UV lamps with no OZONE emissions
- Closed-circuit functioning maximizes varnish consumption, thus preventing waste
- Noise levels are lower than European standards, virtually eliminating any noise pollution
- Lower energy consumption than traditional UV systems

OZONE
FREE

Technical Specifications

JETVARNISH
by MGI

Printing Technology

MGI's Inkjet Drop-on-Demand technology
Piezo heads mounted on a solid plate covering the entire width.
Single pass printing.
Minimum line width: 0.5 mm (1/144")

Production speed

Up to 0.5 m / sec.
First page out in 16 sec. (no preheating or system latency)

Registration

New left and right guides allow for alignment to offset gripper marker on either side of the sheet, resulting in the most precise registration +/- 200 microns

Substrate dimensions

Minimum : 210 x 300 mm/8x11,8"
Maximum : 520 x 1050 mm/20x40"

Substrate thickness

Automatic height-adjustment print heads
From 135 gsm to 600 gsm/50 to 220lb
Optional: thickness > 1 mm/0.04"

Substrates

Printing on matte or glossy laminated surfaces Layered paper, Plastic, PVC and other coated materials

Print width

Minimum print width: 210 mm/8.27"
Maximum print width: 515 mm/20"

Varnish and special UV inks

Several finishes available – satin, gloss, ultragloss
Gloss finish also available in security formulas (only seen under black light)

Capacity

Varnish is supplied in a recyclable 6 liter/1.59 gallon bag
"On-the-fly" refilling during production possible
Capacity of ink circuit during operation – approximately 1 liter/0.26 gallon

High capacity automatic feeder

High capacity loader that can handle a pile of sheets up to 60cm 23.6" high (approximately 4,000 sheets at 135gsm)

High pile output stacker

Accomodate stacks up to 60cm/23.6" high (approximately 4,000 sheets at 135gsm)

Paper path

100% flat path
Vacuum feed system
Air feed system
Automatic double sheet detection

In-line UV dryer

"On-the-fly" drying via integrated UV lamps
Ozone free system. Coated sheets can be immediately finished or handled, no additional drying time required

Front End System

Dedicated PC (CPU + screen + keyboard/mouse)
Internet connection 10/100/1000 BT (RJ 45)

Variable data

100% compatible through PS & PDF flow (with an optional RIP)

Dry air

A dry air compressor of 6 bar @ 15 l/mn (0.41PSI @ 4 gal/mn) is provided. It can be replaced by on-site air system

Maintenance and remote technical support

Daily maintenance completed in less than 10 minutes
Most procedures automated
From cold start to production in less than 15 minutes
Remote troubleshooting & support via included video/web camera (high speed internet connection required)

Operator panel

Integrated user-friendly touch-screen LCD.

Dimensions (L x W x H)

6.47x1.36x1.82 meter /21.23'x4.46'x5.97'
1 meter/3.3' clearance required on all 4 sides

Weight

1800 Kg/3,968lbs

Electrical requirements

400V, 20 kVA (3P+N+T/32A P17)

Respecting the environment

Eliminates resource waste (wasted electricity, paper and varnish)
No plates (offset) or screens (screen printing)
No messy cleanup or preparation between jobs
Drastic reduction in amount of consumables and use of bulk packaging. Ozone free. Varnish/ink without solvent

Operating environment

Temperature: 18 to 30°C/64 to 86°F
Relative humidity: between 20 and 70% (no condensation)

the default sheet format is 52x74cm/20"x29", unless otherwise stated

*speed will vary according to printing parameter used

**depending on substrate



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